

## ABSTRACT OF THE DISCLOSURE

A collision avoidance system for a vehicle includes a warning device and a plurality of sensors that are arranged around the vehicle and that have sensing zones. Each of the sensors senses objects that are located in the sensing zone and generates sensor signals that are related to a distance between respective ones of the sensors and the objects in the sensing zones. Memory stores a plurality of profiles, which defines alarm limits for each of the sensors. A profile selection device allows selection one of the plurality of profiles from the memory. A vehicle collision avoidance controller communicates with the plurality of sensors and triggers the warning device when the sensor signal that is associated with one of the plurality of sensors exceeds a respective one of the limits in the selected profile.